VERSION WITH MARKINGS TO SHOW CHANGES MADE

1. (Amended) Method for the preparation of an embossed foil from a mass [containing] including non-interlaced polyolefins and [possibly additional] optional additives, [whereby the obtained foil is treated with electron beams, characterized in that the foil obtained in the traditional manner for achieving grain stability suitable for deep drawing is treated] the method comprising treating said mass with electron beams and achieving a grained foil [and the grained foil is deep drawn] with a density of approximately 0.7 to 1.2 g/cm^3 and deep drawing the grained foil.

3. (Amended) Method according to [at least one of Claims 1 or 2, characterized in that] claim 1 wherein an interlacing auxiliary is included in the mass.

4. (Amended) Method according to Claim 3, [characterized in that] wherein trimethylpropantriacrylate is selected as interlacing auxiliary.

5. (Amended) Method according to [at least one of Claims 3 or 4, characterized in that] claim 3 wherein trimethylolpropantriacrylate is employed in a quantity of up to 20% by weight in proportion to the contents of the mass of non-interlaced polyolefins.

6. (Amended) Method according to [at least one of Claims 1 to 5, characterized in that] claim 1 wherein a stabilizer is included in the mass.

7. (Amended) Method according to Claim 6, [characterized in that by way of] wherein stabilizers in the mass [are employed] comprise phenol derivatives, lactones, phosphites and/or sterically inhibited amines in a quantity of up to approximately 5% by weight.

8. (Amended) Method according to [at least of the Claims 1-7, characterized in that] claim 1 wherein the [radiated] electron beam treated foil has a thickness of approximately 0.2 to 2.0[, in particular approximately 0.4 to 1.4 mm].

9. (Amended) Method according to [at least one of Claims 1 to 8, characterized in that] claim 1 wherein the treatment with electron beams is effected at a beam dosis of approximately 10 to 500 kJ/m^2.

10. (Amended) Method according to [at least one of Claims 1 to 9, characterized in that] claim 1 wherein the treatment of the foil with electron beams is effected to such extent that a gel contents of approximately 5 to 80% appears in the radiated foil.

11. (Amended) Method according to [at least one of Claims 1 to 10, characterized in that] claim 1 wherein the radiated foil is embossed.

12. (Amended) Method according to [at least one of Claims 1 to 11, characterized in that] claim 1 wherein the radiated foil is laminated to form a composite structure.

13. (Amended) Method according to [at least one of Claims 1 to 12, characterized in that] claim 1 wherein the radiated foil or the composite structure containing same is deep drawn to a shaped body.

14. (Amended) Method according to Claim 13, [characterized in that] wherein the deep drawn shaped body is utilized is interior lining of motor vehicles, in particular as dashboard foil.

15. (Amended) Method according to [at least one of Claims 1 to 10, characterized in that] claim 1 wherein the foil obtained in the traditional manner is further processed according to an embossing and/or laminating process, prior to treatment with electron beams.

16. (New) Method according to claim 8 wherein the electron beam treated foil has a thickness of approximately 0.4 to 1.4 mm.